

List of All Chemicals

P Salvia tomentosa (Lamiaceae)

Common name(s)

Sage

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
CARNOSIC-ACID	Leaf	--	--		Tsankova, E., Enev, V., Knoakshiev, A., Genova, E. 1994. Constituents of the Growing in Bulgaria Salvia Species of Section Salvia. Dokl Bolg Akad Nauk, 47(1): 59-60.
Activities (2)					
Antimutagenic		Economic & Medicinal Plant Research, 6: 235.			
Antioxidant IC50=0.81 uM					
CIRSILINEOL	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Activities (10)					
Aldose-Reductase-Inhibitor 10 uM	Okuda, I., Muwa, B., Inagakat, K., Horie, T., Nakayama, M. 1982. Inhibition of Aldose Reductases from Rat and Bovine Lenses by Flavonoids. Biochem Pharmacol, 31(23): 3807-3822.				
Antiinflammatory IC~37=1,000 uM					
Antimalarial IC50=36 uM					
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
COX-1-Inhibitor IC37=1,000 uM					
COX-2-Inhibitor IC>37=1,000 uM					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Parasiticide IC50=36 uM					
Pesticide					
Plasmodicide IC50=36 uM					
DIOSMETIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Activities (13)					
Aldose-Reductase-Inhibitor IC17=10 uM	Shimizu, M., Ito, T., Terashima, S., Hayashi, T., Arisawa, M., Morita, N., Kurokawa, S., Ito, K., and Hashimoto, Y. 1984. Inhibition of Lens Aldose Reductase by Flavonoids. Phytochemistry, 23: 1885-1888.				
Antialzheimeran					
Antidementia					
Antimutagenic ID50=10-40 nM	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.				
Antirhinoviral	Economic & Medicinal Plant Research, 5: 197.				
Antiviral	Economic & Medicinal Plant Research, 5: 197.				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Estrogenic EC50=2.9 uM					
NO-Inhibitor EC50=19 uM					
Osteoblastogenic					
PPAR-Gamma-Antagonist					
TNF-alpha-Inhibitor IC50=3.27 uM					
TNF-alpha-Inhibitor EC50=39 uM					